



Condition Assessment Information System

Cost Estimating Module

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Background



- In the old CAIS 2.x software, sites used to create fake assets to develop estimates
- One of the many advantages of CAIS is the integration of RS Means costing data
- The DOE customized version of CostWorks is used to:
 - To calculate estimates for repairs/replacements of deficiencies
 - Modifying existing building models for the purpose of developing a custom RPV model



Background

(continued)



- With the increase in RS Means pricing, this has caused us to evaluate the products and services we currently are purchasing
- One of our issues with RS Means is that we are paying for the same data twice
 - CAIS
 - DOE CostWorks
- We believe we should only pay for the RS Means data once

Background

(continued)



- The DOE CostWorks user interface is outdated and offers no method for storing estimates and customized building models
- The DOE CostWorks is currently distributed via CDs through the mail
- With the significant increases in RS Means pricing, outdated user interface and the antiquated distribution method of DOE CostWorks, this has caused us to explore other options for generating cost estimates



Cost Estimating Module



- CAIS now has a Cost Estimating Module that will utilize the full range of RS Means costing data
- Estimates can be calculated for:
 - Assembly
 - Maintenance Assembly
 - Master Format
 - Maintenance Master Format



Features



- Estimates can be stored in the Cost Estimating Module. Data is separate from the CAIS IU level data.
 - Estimates will be automatically re-costed annually when the new RS Means data is loaded into CAIS
- Estimates can be derived from a combination of different sources (Assembly and Master Format)
- Estimates can be easily exported to Excel

Features

(continued)



- Capability to define Cost Adders that are separate from those in CAIS
 - Easy to identify when Cost Adders have been applied
- Capability to define and include Additional Cost that will be rolled into the Total Cost of the estimate
- Capability to select a Geographic Adjuster for your estimate
- Estimates can be deleted or easily copied

Features

(continued)



- One of the strongest attributes is the interface with the RS Means data
- RS Means Line Number is truly the key
- Enhanced Type Search capability
 - RS Means Line Number
 - By Assembly, Maintenance Assembly, Master Format or Maintenance Master Format
 - Unlimited word search capability
- Search results can be filtered and sorted

Features

(continued)



- Ability to search on the RS Means data via a hierarchical tree structure
 - **Unifomat II (Assembly)**
 - **Master Format**
- Allows you to easily view the data associated with the four different levels

RS Means Data Examples



- Unifomat II Example
 - C Interiors (Level 1)
 - C30 Interior Finishes (Level 2)
 - C3020 Floor Finishes (Level 3)
 - C3020 410 Tile & Coverings (Level 4)
- Master Format Example
 - 09 Finishes (Level 1)
 - 09 68 Carpeting (Level 2)
 - 09 68 10 Carpet Pad (Level 3)
 - 09 68 10 10 Commercial Grade Carpet Pad (Level 4)

Upcoming Enhancement




- Develop the capability to assign an individual access to the Cost Estimating Module only
- These individuals would not have access to other CAIS functionality

Username:


Password:

☒ A valid Username and Password are required to login.



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U. S. Department of Energy



Phase II Development



- The release of the CAIS Cost Estimating Module that was deployed earlier this month represents Phase I
- Phase II will include the capability to develop custom RPV models
 - Eliminates the need to recreate a custom model annually
 - Model will be automatically updated with the annual RS Means costing update
 - Ability to store custom RPV models to share with other Sites
 - Leads to a more accurate RPV that can be uploaded to FIMS

Phase II Development

(continued)



- Custom RPV models will be easy to export to Excel
- Deployment date for Phase II: TBD
 - Goal is 2nd quarter of FY17



Questions & Discussion



Demonstration

